

DP-301284

STRONGER CATALYST USING SELECTIVE WASHCOAT LOCATION**ABSTRACT OF THE DISCLOSURE**

A strengthened thin-walled catalytic converter substrate includes thin perimeter walls and thin interior walls defining cells and a catalyst washcoat selectively disposed on the substrate. Washcoat thickness is increased 5 in those cells having the most impact on final catalyst strength, typically the outer cells defined by the perimeter walls. A method for maximizing overall catalyst strength with minimal substrate thermal mass includes selectively applying washcoat based on desired substrate strength and converter assembly method.

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